

FLORENTINA-2X2-MRK-M

~40° medium beam. Compatible with ultra high power LEDs.

SPECIFICATION:

Dimensions	89.7 x 89.7 mm
Height	17.7 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

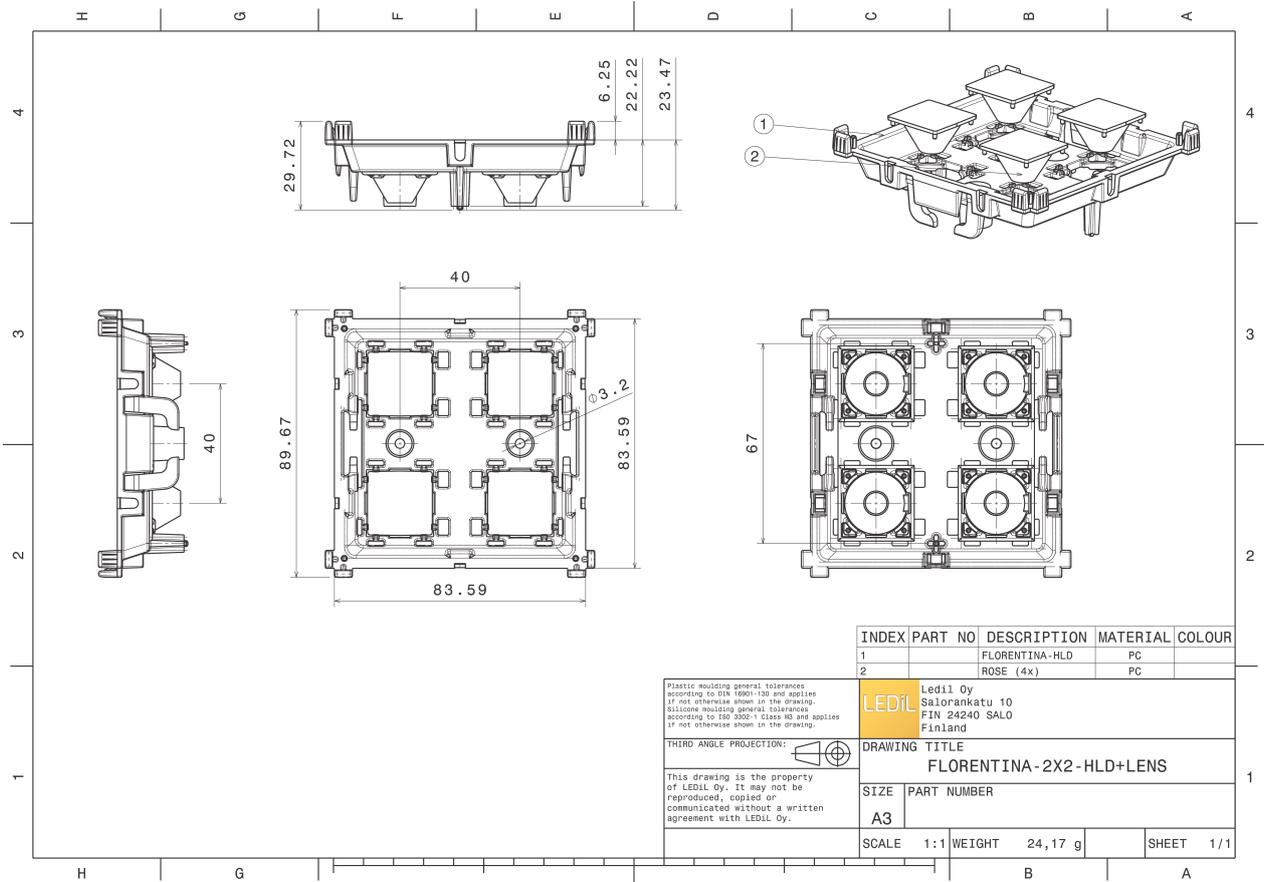
MATERIALS:

Component	Type	Material	Colour	Finish
ROSE-MRK-M	Single lens	PC	clear	
FLORENTINA-2X2-HLD	Holder	PC	black	

ORDERING INFORMATION:

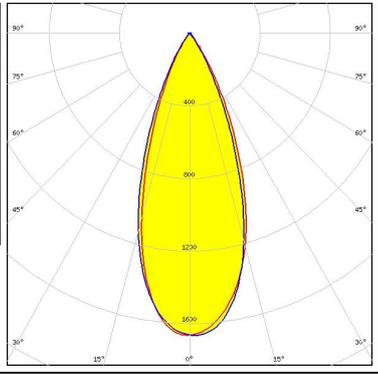
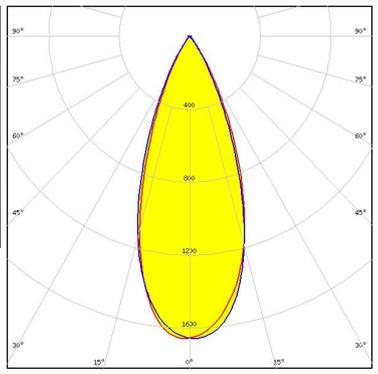
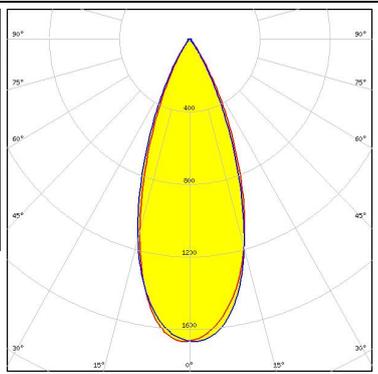
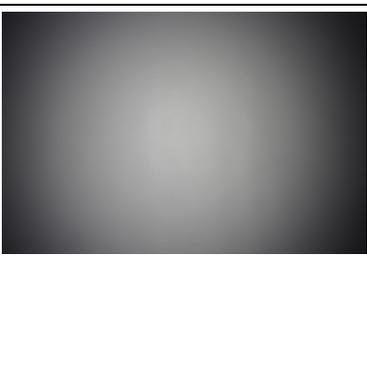
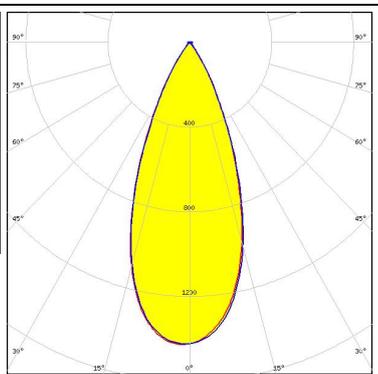
Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCP15705_FLORENTINA-2X2-MRK-M	Single lens	88	24	8	4.2
» Box size: 476 x 273 x 292 mm					



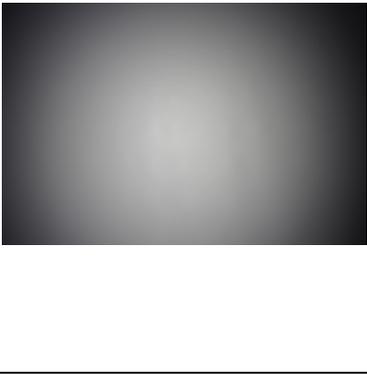
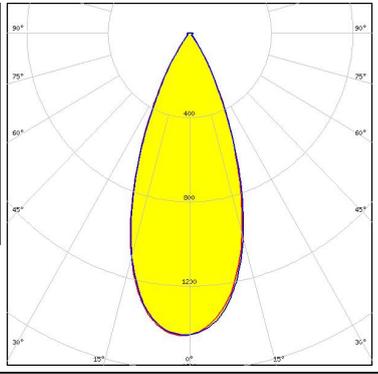
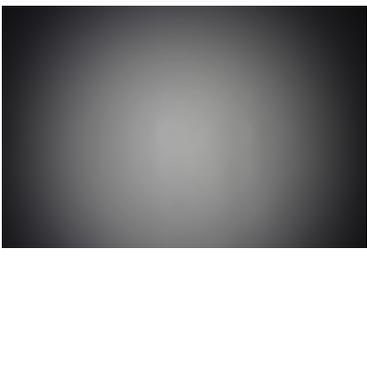
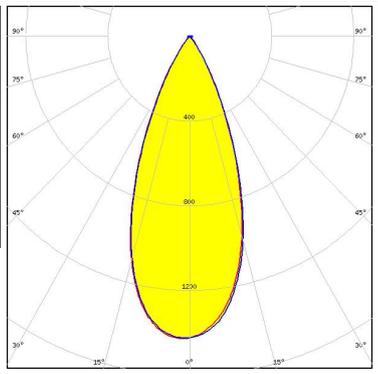
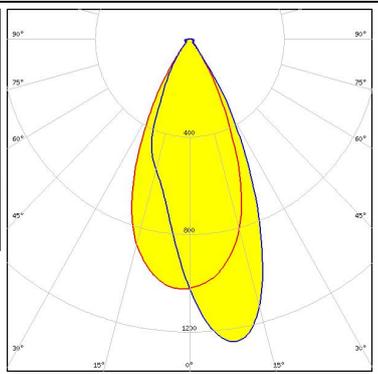
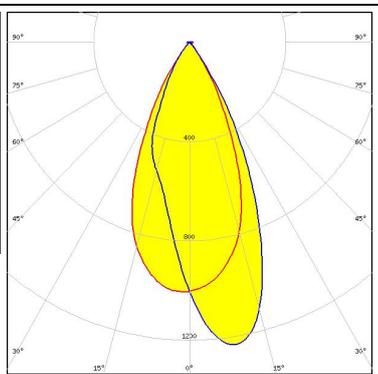


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

<p>CREE → LED</p> <p>LED XHP35 HD FWHM / FWTM 39.0° / 64.0° Efficiency 79 % Peak intensity 1.7 cd/m LEDs/each optic 1 Light colour White Required components: C14734_FLORENTINA-2X2-SHD</p>		
<p>CREE → LED</p> <p>LED XHP35 HD FWHM / FWTM 39.0° / 64.0° Efficiency 79 % Peak intensity 1.7 cd/m LEDs/each optic 1 Light colour White Required components: C15196_FLORENTINA-2X2-SHD-OPEN</p>		
<p>CREE → LED</p> <p>LED XHP35 HD FWHM / FWTM 39.0° / 65.0° Efficiency 82 % Peak intensity 1.7 cd/m LEDs/each optic 1 Light colour White Required components: C14960_FLORENTINA-2X2-SHD-WHT</p>		
<p>CREE → LED</p> <p>LED XHP50 FWHM / FWTM 41.0° / 66.0° Efficiency 76 % Peak intensity 1.4 cd/m LEDs/each optic 1 Light colour White Required components: C15196_FLORENTINA-2X2-SHD-OPEN</p>		

OPTICAL RESULTS (MEASURED):

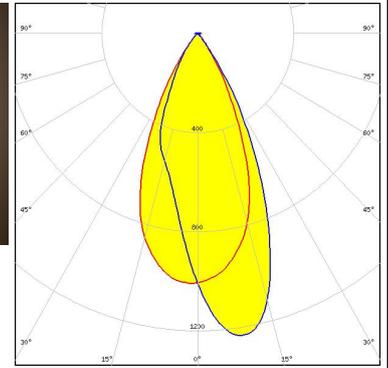
<p>CREE → LED</p> <p>LED XHP50 FWHM / FWTM 41.0° / 67.0° Efficiency 80 % Peak intensity 1.4 cd/m LEDs/each optic 1 Light colour White Required components: C14960_FLORENTINA-2X2-SHD-WHT</p>		
<p>CREE → LED</p> <p>LED XHP50 FWHM / FWTM 41.0° / 66.0° Efficiency 76 % Peak intensity 1.4 cd/m LEDs/each optic 1 Light colour White Required components: C14734_FLORENTINA-2X2-SHD</p>		
<p>CREE → LED</p> <p>LED XHP70 FWHM / FWTM 48.0° / 73.0° Efficiency 77 % Peak intensity 1.3 cd/m LEDs/each optic 1 Light colour White Required components: C14960_FLORENTINA-2X2-SHD-WHT</p>		
<p>CREE → LED</p> <p>LED XHP70 FWHM / FWTM 48.0° / 71.0° Efficiency 69 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: C14734_FLORENTINA-2X2-SHD</p>		

OPTICAL RESULTS (MEASURED):



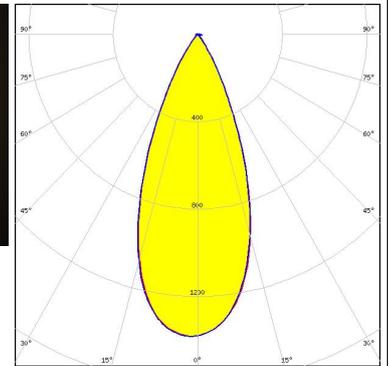
LED XHP70
 FWHM / FWTM 48.0° / 71.0°
 Efficiency 70 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:
 C15196_FLORENTINA-2X2-SHD-OPEN



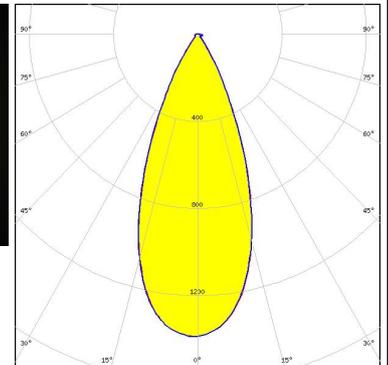
LED LUXEON M/MX
 FWHM / FWTM 41.0° / 66.0°
 Efficiency 74 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:
 C15196_FLORENTINA-2X2-SHD-OPEN



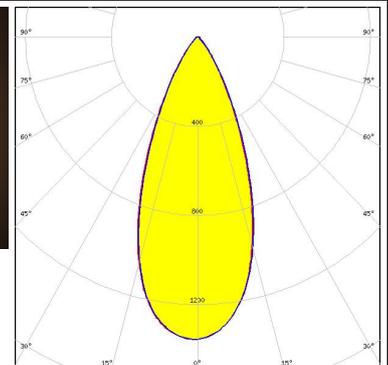
LED LUXEON M/MX
 FWHM / FWTM 42.0° / 66.0°
 Efficiency 79 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:
 C14960_FLORENTINA-2X2-SHD-WHT



LED LUXEON M/MX
 FWHM / FWTM 43.0° / 72.0°
 Efficiency 82 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White

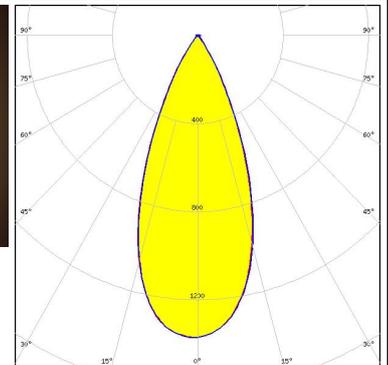
Required components:



OPTICAL RESULTS (MEASURED):

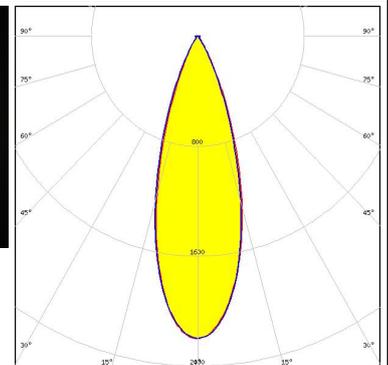
LUMILEDS

LED LUXEON M/MX
 FWHM / FWTM 42.0° / 66.0°
 Efficiency 74 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14734_FLORENTINA-2X2-SHD



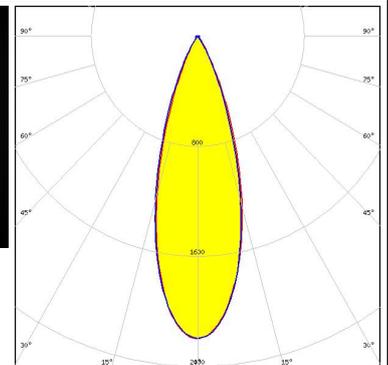
LUMILEDS

LED LUXEON MZ
 FWHM / FWTM 33.0° / 56.0°
 Efficiency 81 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14960_FLORENTINA-2X2-SHD-WHT



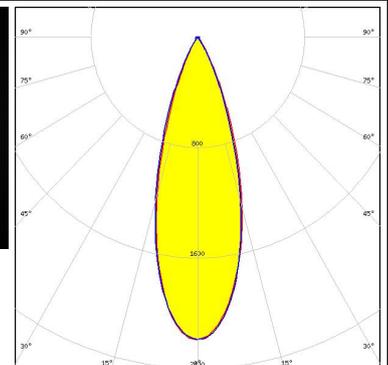
LUMILEDS

LED LUXEON MZ
 FWHM / FWTM 33.0° / 56.0°
 Efficiency 78 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14734_FLORENTINA-2X2-SHD



LUMILEDS

LED LUXEON MZ
 FWHM / FWTM 33.0° / 56.0°
 Efficiency 77 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15196_FLORENTINA-2X2-SHD-OPEN

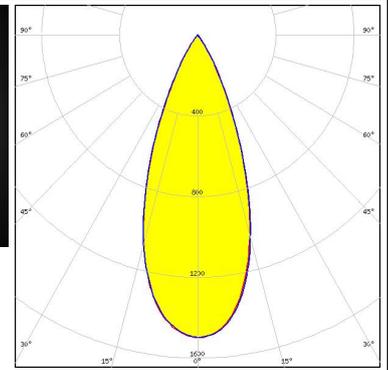
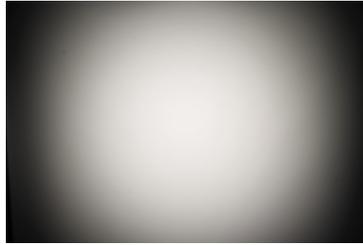


OPTICAL RESULTS (MEASURED):

OSRAM

Opto Semiconductors

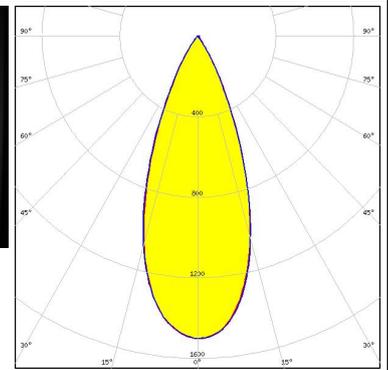
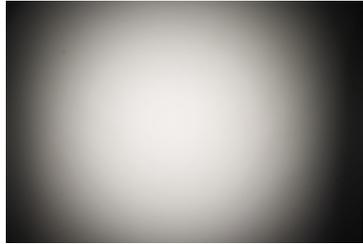
LED OSCONIQ P 7070
 FWHM / FWTM 40.0° / 65.0°
 Efficiency 70 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14734_FLORENTINA-2X2-SHD



OSRAM

Opto Semiconductors

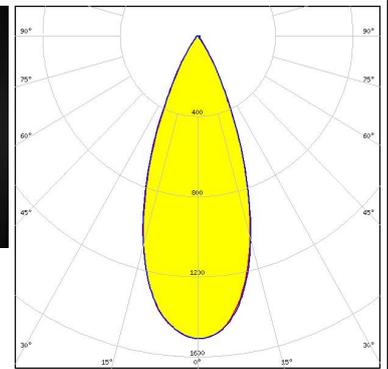
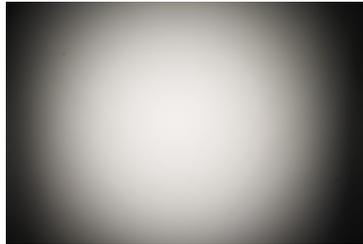
LED OSCONIQ P 7070
 FWHM / FWTM 40.0° / 65.0°
 Efficiency 71 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15196_FLORENTINA-2X2-SHD-OPEN



OSRAM

Opto Semiconductors

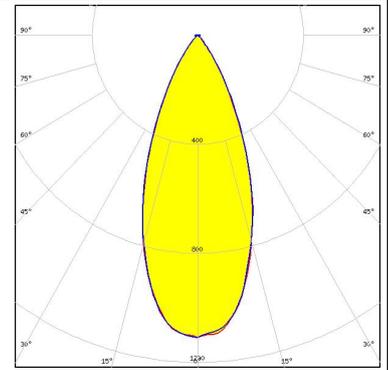
LED OSCONIQ P 7070
 FWHM / FWTM 40.0° / 65.0°
 Efficiency 75 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14960_FLORENTINA-2X2-SHD-WHT



OPTICAL RESULTS (SIMULATED):

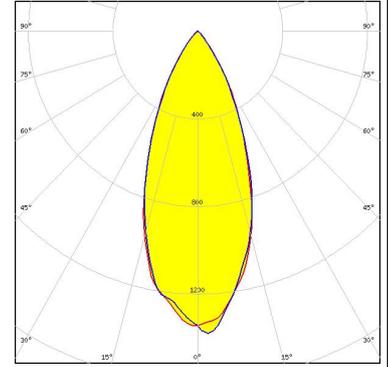
LUMILEDS

LED LUXEON 7070
 FWHM / FWTM 42.0° / 71.0°
 Efficiency 64 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14734_FLORENTINA-2X2-SHD



NICHIA

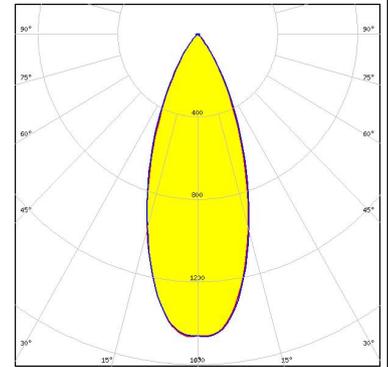
LED NV4x144A
 FWHM / FWTM 42.0° / 72.0°
 Efficiency 76 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14734_FLORENTINA-2X2-SHD



OSRAM

Opto Semiconductors

LED Duris S8
 FWHM / FWTM 39.0° / 70.0°
 Efficiency 76 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14734_FLORENTINA-2X2-SHD



GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

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